

Abstract

A single use needleless hypodermic injection device for injecting a liquid medication contained therein. The device includes pyrotechnical means for generating within the device a pressure necessary for injecting the medication. The device comprises impact-sensitive stab primer ignition means for igniting a propellant contained in the device. The stab primers ignite with less than 10 millijoules of mechanical energy, enabling small, low cost firing pin mechanisms contained within the device that may be economically discarded after a single use

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